

List of All Chemicals

P Lepechinia hastata (Lamiaceae)

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
CARNOSIC-ACID	Shoot	--	6500.0	2.69	Bruno, M., Savona, G., Piozzi, F., De la Torre, M. C., Rodriguez, B., Marlier, M. 1991. Abietane Diterpenoids from <i>Lepechinia meyenii</i> and <i>Lepechinia hastata</i> . <i>Phytochemistry</i> , 30(7): 2339-2343.
Activities (2)					
Antimutagenic					Economic & Medicinal Plant Research, 6: 235.
Antioxidant IC50=0.81 uM					
CARNOSOL	Shoot	--	4190.0	1.74	Encarnacion-Dimayuga, R., Almada, G., Virgen, M. 1998. Minimum Antimicrobial Inhibitory Concentration of Carnosol and of the Ethanol Extract from <i>Lepechinia hastata</i> . <i>Phytomedicine</i> , 54: 301-305.
Activities (20)					
5-Lipoxygenase-Inhibitor IC50 (uM)=2					
AntiHIV					J. Nat. Prod. 56: 1426.
Antibiotic					Encarnacion Dimayuga, R., Keer Garcia, S., Halfdan Nielsen, P., and Christophersen, C. 1989. Traditional Medicine of Baja California Sur (Mexico) III. Carnosol: A Diterpene Antibiotic from <i>Lepechinia hastata</i> . <i>J. Ethnopharmacology</i> , 31: 43-48, 1991.
Antihepatotoxic					Joyeux, M., Rolland, A., Fleurentin, J., Mortier, F., and Dorfman, P. 1989. Tert-Butyl Hydroperoxide-Induced Injury in Isolated Rat Hepatocytes: A Model for Studying Anti-Hepatotoxic Crude Drugs. <i>Planta Medica</i> 56(2): 171-173, 1990.
Antiinflammatory					McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, Ch.25.
Antilipoperoxidant					Joyeux, M., Rolland, A., Fleurentin, J., Mortier, F., and Dorfman, P. 1989. Tert-Butyl Hydroperoxide-Induced Injury in Isolated Rat Hepatocytes: A Model for Studying Anti-Hepatotoxic Crude Drugs. <i>Planta Medica</i> 56(2): 171-173, 1990.
Antimutagenic					Economic & Medicinal Plant Research, 6: 235.
Antioxidant					McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, Ch.25.
Antiradicular					Joyeux, M., Rolland, A., Fleurentin, J., Mortier, F., and Dorfman, P. 1989. Tert-Butyl Hydroperoxide-Induced Injury in Isolated Rat Hepatocytes: A Model for Studying Anti-Hepatotoxic Crude Drugs. <i>Planta Medica</i> 56(2): 171-173, 1990.
Antitumor					McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, Ch.25.
Antitumor-Promoter					McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, Ch.25.
Cancer-Preventive					Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Candidicide					Encarnacion Dimayuga, R., Keer Garcia, S., Halfdan Nielsen, P., and Christophersen, C. 1989. Traditional Medicine of Baja California Sur (Mexico) III. Carnosol: A Diterpene Antibiotic from <i>Lepechinia hastata</i> . <i>J. Ethnopharmacology</i> , 31: 43-48, 1991.
Cyclooxygenase-Inhibitor IC50 (uM)=16					
Fungicide					Encarnacion Dimayuga, R., Keer Garcia, S., Halfdan Nielsen, P., and Christophersen, C. 1989. Traditional Medicine of Baja California Sur (Mexico) III. Carnosol: A Diterpene Antibiotic from <i>Lepechinia hastata</i> . <i>J. Ethnopharmacology</i> , 31: 43-48, 1991.
Metal-Chelator					McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, Ch.25.
Ornithine-Decarboxylase-Inhibitor					McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. Phenolic Compounds in Food and Their Effects on Health, Ch.25.
Pesticide					
Protease-Inhibitor					J. Nat. Prod. 56: 1426.
Quinone-Reductase-Inducer 100 mg/kg ip rat					Singletary, K. W. 1996. Rosemary Extract and Carnosol Stimulate Rat Liver Glutathione-s-transferase and Quinone Reductase Activities. <i>Cancer Lett.</i> , 100: 139-144.